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AMENDMENT TO THE CLAIMS

1-2. (canceled)

3. (currently amended) An ice detector for providing a signal indicating ice formation, the ice detector comprising:

a probe protruding into an airflow; and

a strut from which the probe extends into the airflow, the strut having a notch formed therein in an upwind direction relative to the probe, wherein the notch is a cylindrical shaped cavity in a surface of the strut adjacent to a point of extension of the probe from the strut, and wherein the notch is disposed and arranged such that it causes the airflow to increase in turbulence prior to reaching the probe, thereby increasing heat transfer from the probe to lower the actual temperature of the probe.

~~The ice detector of claim 2, wherein the notch is formed as a cylindrical shaped cavity in a surface of the strut adjacent to a point of extension of the probe from the strut.~~

4. (canceled)

5. (currently amended) An ice detector for providing a signal indicating ice formation, the ice detector comprising:

a probe protruding into an airflow; and

a strut from which the probe extends into the airflow, the strut having a notch formed therein in an upwind direction relative to the probe, wherein the notch is a rectangular shaped cavity, and wherein the notch is disposed and arranged such that it causes the airflow to increase in turbulence prior to reaching the probe, thereby increasing heat transfer from the probe to lower the actual temperature of the probe.

~~The ice detector of claim 2, wherein the notch is formed as a rectangular shaped cavity.~~

6-7. (canceled)

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8. (currently amended) An ice detector for providing a signal indicating ice formation, the ice detector comprising:

a probe protruding into an airflow;

a strut from which the probe extends into the airflow, the strut having a notch formed therein in an upwind direction relative to the probe, wherein the notch is disposed and arranged such that it causes the airflow to increase in turbulence prior to reaching the probe, thereby increasing heat transfer from the probe to lower the actual temperature of the probe;

a mounting flange to which the strut is coupled, the mounting flange being configured to be fixed to a surface of an aircraft. ~~The ice detector of claim 7, wherein the probe extends from the strut at an inclined angle relative to a direction that is perpendicular to the mounting flange.~~

9-11. (canceled)

12. (currently amended) An ice detector for providing a signal indicating ice formation, the ice detector comprising:

a probe protruding into an airflow, the probe having a longitudinally extending shape and a flat tip at a distal end of the probe providing an ice accreting edge; and

a strut from which the probe extends into the airflow, the strut having a notch formed therein in an upwind direction relative to the probe, wherein the notch is disposed and arranged such that it causes the airflow to increase in turbulence prior to reaching the probe, thereby increasing heat transfer from the probe to lower the actual temperature of the probe.

~~The ice detector of claim 11, wherein the probe further comprises a flat tip at the distal end of the probe providing the ice accreting edge.~~

13-16. (canceled)

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17. (currently amended) An ice detector for providing a signal indicating ice formation, the ice detector comprising:

a probe protruding into an airflow, the probe having a longitudinally extending shape and a flat tip at a distal end of the probe providing an ice accreting edge;

a strut from which the probe extends into the airflow, the strut having a curved surface adjacent a point of extension of the probe from the strut, the curved surface being positioned in an upwind direction relative to the probe to accelerate the airflow before it reaches the probe.

~~The ice detector of claim 16, wherein the probe further comprises a flat tip at the distal end of the probe providing the ice accreting edge.~~

18-19. (canceled)

20. (currently amended) An ice detector for providing a signal indicating ice formation, the ice detector comprising:

a probe protruding into an airflow;

a strut from which the probe extends into the airflow, the strut having a curved surface adjacent a point of extension of the probe from the strut, the curved surface being positioned in an upwind direction relative to the probe to accelerate the airflow before it reaches the probe, wherein the strut has a notch formed therein in the upwind direction relative to the probe, wherein the notch is formed as a cylindrical shaped cavity in the curved surface and is disposed and arranged such that it causes the airflow to increase in turbulence prior to reaching the probe, thereby increasing heat transfer from the probe to lower an actual temperature of the probe.

~~The ice detector of claim 19, wherein the notch is formed as a cylindrical shaped cavity in the curved surface.~~

21. (canceled)